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United States Department of Agriculture,

OFFICE OF THE SECRETARY—Circular No. 52.

STATE HIGHWAY MILEAGE AND EXPENDITURES TO JANUARY 1, 1915.

(PREPARED BY THE DIVISION OF ROAD ECONOMICS, OFFICE OF PUBLIC ROADS AND
RURAL ENGINEERING.)

INTRODUCTION.

During the past 20 years State governments have been active in a constantly increasing measure in behalf of road improvement. To January 1, 1915, expenditures aggregating \$211,859,163 have been made from the appropriations by the legislatures of 39 States. With these funds improved roads to the extent of 35,477 miles have been constructed during this period of 20 years.

The results accomplished by the various State highway departments are ascertained through a corps of collaborators, made up of one collaborator in each State highway department. Through these collaborators the Office of Public Roads and Rural Engineering obtains monthly reports showing progress made, funds expended, and work contemplated in the respective States. In this way the office has assembled exact information as to the expenditure of State and local funds for construction of roads and bridges, for maintenance, and for overhead expenses; the amount of State funds available for road work in 1915; the mileage of State and State-aid roads constructed; and the mileage of roads maintained by the State. The information thus collected has been carefully tabulated and checked and is presented in the following tables. It is the purpose of the office to revise these tables at the end of each calendar year, so as to show progress from year to year throughout the United States in the improvement and maintenance of the public roads.

TABLE 1.—State highway expenditures to Jan. 1, 1915.

State.	Year original State-law aid law passed.	Expenditures in 1914.										Total State money expended in road work by counties, townships, and districts.	Total State money expended for road work to Jan. 1, 1915.	State money available for road work, 1915.
		Joint funds (State and local units).			Road work done solely at expense of State.	Total of all State money expended for road work.	Total of State funds and joint funds.	Total of State funds, joint funds, and local funds.						
		Local unit's share.	State's share.	Total joint fund.										
Alabama.....	1911	1,82,735,000	\$160,693	2,170,232	\$330,925				\$168,232	\$330,925	\$3,125,925	\$463,271	\$144,000	
Arizona.....	1909	603,608					\$406,125		406,125	406,125	1,099,733	4,593,210	396,883	
Arkansas.....	1913	2,332,368		115,000	115,000				115,000	115,000	14,447,368	140,000	25,000	
California.....	1895	9,495,281					5,175,333		5,175,333	5,175,333	14,670,614	8,269,942	7,000,000	
Colorado.....	1909	1,621,950	678,225	301,974	979,499				301,974	979,499	2,601,449	821,751	85,000	
Connecticut.....	1895	1,400,000	285,125	1,307,881	1,572,506		2,124,276		3,331,657	3,696,782	3,496,782	14,334,176	1,000,000	
Delaware.....	1903	360,411	30,000	31,000	61,000				31,000	61,000	3,421,411	193,695	30,000	
Florida.....	1915	13,456,000									3,450,000			
Georgia.....	1908	12,500,000	43,466	49,812	93,278				49,812	93,278	2,500,000	372,812	200,000	
Idaho.....	1905	1,265,000	446,702	387,989	834,691				387,989	834,691	7,397,668	867,989	2,100,000	
Illinois.....	1905	7,102,977									13,258,761			
Indiana.....		13,258,761									11,437,000	175,000	100,000	
Iowa.....	1904	11,363,000		74,000	74,000				74,000	74,000	5,436,504	120,000	11,000	
Kansas.....	1911	5,427,424		9,080	9,080				9,080	9,080	1,718,000	43,000	600,000	
Kentucky.....	1912	1,700,000		18,000	18,000				18,000	18,000	4,461,506	461,506	145,000	
Louisiana.....	1910	4,000,000	300,320	161,186	461,506				161,186	461,506	3,537,596	4,855,864	1,000,000	
Maine.....	1901	1,893,000	375,731	467,149	842,880		831,716		1,298,865	1,674,598	6,997,458	14,253,142	4,572,000	
Maryland.....	1898	2,000,000	356,845	356,845	713,690		4,283,768		4,640,613	4,937,458	6,020,069	16,365,425	2,437,000	
Massachusetts.....	1892	3,318,742	241,838	242,860	484,698		2,217,469		2,660,029	2,701,867	9,516,224	2,207,701	1,700,000	
Michigan.....	1905	6,715,000	2,082,612	637,264	2,739,876		61,348		718,612	2,801,224	8,225,821	2,708,174	1,770,741	
Minnesota.....	1905	4,272,244	2,643,621	1,309,956	3,953,577				1,309,956	3,953,577	2,850,000		350,000	
Mississippi.....		2,850,000									8,277,253	13,421,983		
Missouri.....	1907	18,000,000		277,253	277,253				277,253	277,253	2,567,253	25,000	25,000	
Montana.....	1913	2,553,773		13,516	13,516				13,516	13,516	3,347,062	257,850	100,000	
Nebraska.....	1911	3,347,062							36,783	36,783	240,000	20,000		
Nevada.....		240,000									2,052,173	2,593,450	400,000	
New Hampshire.....	1903	1,250,000	301,288	491,520	792,808		9,365		504,885	802,133	6,542,572	7,192,268	1,350,000	
New Jersey.....	1891	3,000,000	2,235,976	1,306,596	3,542,572				1,306,596	3,542,572	2,527,209	510,833	175,000	
New Mexico.....	1908	371,196	40,281		115,732				115,732	115,013	29,890,473	82,638,729	15,000,000	
New York.....	1898	7,741,142	6,655,072	8,544,126	15,199,198		6,950,133		15,494,259	22,149,331	3,935,000	28,500	10,000	
North Carolina.....	1901	3,930,000		5,000	5,000				5,000	5,000	2,365,000			
North Dakota.....	1904	2,365,000									11,261,852	5,123,671	3,300,000	
Ohio.....	1909	18,500,000	906,543	1,855,338	2,761,882				1,855,338	2,761,882	3,375,060	15,000	15,000	
Oklahoma.....	1911	3,375,000							10,000	10,000	7,062,632	188,975	233,000	
Oregon.....	1913	5,155,657		10,697	1,128,697		178,278		188,975	1,906,975	10,424,580	24,259,954	5,000,000	
Pennsylvania.....	1903	5,500,091	657,437	1,976,768	2,634,205		2,290,284		184,354,666	199,598	3,703,635	3,703,635	180,000	
Phode Island.....	1902	385,000					199,598		199,598	199,598				

[illegible]

1 Data approximate.

² Includes \$2,000 paid

² Includes \$2,000 paid

³ Data for fiscal year.

4 July 1, 1912, to Jan. 1, 1915.

⁶ No money aid for construction.

7 Data from State comptroller's report.

7 Data from State commissioner's report.
8 State highway department provided for beginning Oct. 1, 1915.

State highway department provided for beginning

9 State aid in road construction beginning

no Data from the State auditor's report.

State aid in bridge construction

² Educational and advisory.

^a Includes \$87,714 for surveys and plotting State routes, county roads

¹⁴ State highway department provided for by act of legislature, 1915.

¹⁵ Figures given are one-half of the expenditures for the period Apr. 1, 1915 to State highway department provided for by act of legislature, 1915.

Oregon.....	10,697	.....	10,697	.....	1,718,000	.....	1,718,000	161,475	.....	1,344,780	.....	45,925	16,803	.....	50,061	178,278
Pennsylvania.....	¹⁵ 1,542,323	343,726	90,719	1,976,768	657,437	.....	657,437	¹⁶ 574,312	.....	146,807	.....	19,351	266,208	.....	.....	2,290,284
Rhode Island.....	.....	.....	.....	.....	.....	.....	.....	28,440	.....	.....	.....	.....	5,000	.....	.....	199,593
South Carolina ⁷.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
South Dakota ¹⁰.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tennessee ⁶.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Texas ⁸.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Utah.....	120,809	.....	(⁷)	6,750	30,173	157,732	249,204	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vermont.....	318,456	140,000	.....	.....	.....	458,456	120,000	180,000	.....	.....	.....	.....	.....	.....	.....	.....
Virginia.....	474,684	.....	48,894	(¹⁸)	.....	523,578	1,243,432	.....	.....	.....	.....	.....	.....	.....	.....	.....
Washington.....	¹⁹ 1,300,514	42,917	.....	.....	.....	1,343,431	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
West Virginia ¹⁰.....	.....	.....	.....	.....	.....	144,000	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wisconsin.....	1,395,379	.....	(²)	87,000	.....	1,482,379	3,117,329	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wyoming ¹².....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	15,744,835	7,152,672	605,887	351,827	303,431	24,220,850	19,778,567	5,415,173	25,193,740	18,357,060	3,775,577	2,009,409	993,843	469,504	25,605,393	.....

¹ Includes \$2,000 paid to county for bridges, but not reported as expended.

² Engineering included in administration.

³ Engineering paid by counties.

⁴ Included in trunk-line maintenance.

⁵ Town pays one-fourth of maintenance on State aid.

⁶ No State highway department, 1914.

⁷ Convict labor to counties

⁸ No State highway department.

⁹ Supervisory

¹⁰ Educational and advisory.

¹¹ State aid in bridge construction only.

¹² Maintenance of State convict road camps.

¹³ Of this, \$1,816,119 was for State aid to towns.

¹⁴ Engineering and administration expenditures include all State-aid work.

¹⁵ Includes \$200,000 bonus to townships.

¹⁶ Includes \$79,393 for purchase of toll roads.

¹⁷ Engineering included in cost of construction.

¹⁸ Administration included in engineering.

¹⁹ Permanent highways.

TABLE 3.—State highway mileage, Jan. 1, 1915.

State.	Total all surfaced roads in State (approximate).	Total all public roads in State.	Percentage of surfaced roads in State.	State and State-aid roads built in 1914.	Total all State and State-aid roads built to Jan. 1, 1915.	Roads maintained with State aid, 1914.
	<i>Miles.</i>	<i>Miles.</i>	<i>Per cent.</i>	<i>Miles.</i>	<i>Miles.</i>	<i>Miles.</i>
Alabama.....	5,491	49,639	11.1	¹ 113	399	.....
Arizona.....	400	² 5,987	6.7	³ 10	247	122
Arkansas.....	1,085	36,445	3.0	(⁴)	.....	.....
California.....	9,388	48,069	19.5	406	1,124	919
Colorado.....	655	30,571	2.1	⁵ 248	⁶ 655	.....
Connecticut.....	3,300	12,582	26.2	⁷ 199	1,282	1,125
Delaware.....	241	3,000	8.0	10	144	.....
Florida.....	2,625	17,954	14.6	(⁸)	.....	.....
Georgia.....	12,500	83,986	14.9	(⁹)	.....	.....
Idaho.....	611	18,406	3.3	70	100	.....
Illinois.....	9,000	94,141	9.6	99	284	.....
Indiana.....	26,831	63,370	42.3	(¹⁰)	.....	.....
Iowa.....	2,505	104,027	2.4	(¹¹)	.....	.....
Kansas.....	1,170	111,536	1.0	(¹²)	.....	.....
Kentucky.....	10,636	58,000	18.3	(¹³)	.....	.....
Louisiana.....	697	24,962	2.8	75	299	38
Maine.....	3,264	25,528	12.8	260	1,323	648
Maryland.....	2,706	17,025	15.9	330	978	787
Massachusetts.....	8,928	17,272	51.7	¹⁴ 184	¹⁵ 1,113	967
Michigan.....	8,859	68,906	12.8	694	2,437	1,754
Minnesota.....	¹⁶ 6,206	91,890	6.8	¹⁷ 305	4,242	8,364
Mississippi.....	1,800	44,072	4.1	(¹⁰)	.....	.....
Missouri.....	8,000	120,000	6.6	(¹⁸)	(¹⁶)	6,250
Montana.....	100	23,319	0.4	(¹²)	.....	.....
Nebraska.....	250	80,338	0.3	(¹⁹)	.....	.....
Nevada.....	65	12,751	0.5	(²⁰)	.....	.....
New Hampshire.....	1,025	15,116	6.8	149	1,024	875
New Jersey.....	4,500	14,842	30.3	102	1,935	2,000
New Mexico.....	900	16,920	5.3	²¹ 50	357	.....
New York.....	22,398	80,112	27.9	²² 863	²³ 5,167	²³ 4,000
North Carolina.....	6,166	49,802	12.4	(¹²)	.....	.....
North Dakota.....	200	61,593	0.3	(¹²)	.....	.....
Ohio.....	28,312	83,681	33.8	151	569	340
Oklahoma.....	500	71,325	0.7	.....	.....	.....
Oregon.....	3,994	42,930	9.3	125	309	.....
Pennsylvania.....	² 3,976	87,387	4.5	360	1,889	6,882
Rhode Island.....	1,246	2,121	58.8	2	325	325
South Carolina.....	4,888	45,549	17.3	(⁹)	.....	.....
South Dakota.....	290	56,354	0.5	(¹²)	.....	.....
Tennessee.....	5,554	45,913	12.1	(⁸)	.....	.....
Texas.....	9,790	128,971	7.6	(¹⁰)	.....	.....
Utah.....	1,653	7,970	20.7	²⁴ 66	1,072	.....
Vermont.....	3,278	15,082	22.7	200	1,631	4,252
Virginia.....	4,482	43,399	10.3	²⁵ 751	2,916	.....
Washington.....	4,250	37,000	11.5	288	1,024	340
West Virginia.....	825	31,629	2.6	(¹²)	.....	.....
Wisconsin.....	11,500	61,090	18.8	²⁶ 695	2,632	.....
Wyoming.....	450	10,569	4.3	(²⁰)	.....	.....
Total.....	247,490	2,273,131	10.9	6,805	35,477	39,988

¹ Also 59 miles of road graded, but not surfaced.² Data approximate.³ Also 77 miles of road graded, but not surfaced.⁴ No money aid for construction.⁵ In addition, 2,823 miles of earth road were graded.⁶ Does not include 3,500 miles of grading.⁷ Includes reconstruction, 33 miles.⁸ No State highway department in 1914.⁹ Convict labor aid to counties.¹⁰ No State highway department.¹¹ Supervisory.¹² Educational and advisory.¹³ State aid begins 1915.¹⁴ Includes 83 miles of small town construction.¹⁵ State roads only.¹⁶ Also 3,700 miles of graded road.¹⁷ Also 1,104 miles of grading and turnpiking.¹⁸ Mileage not reported.¹⁹ State aid in bridge construction only.²⁰ Maintenance of State convict road camps.²¹ Also 198 miles of graded road.²² In addition, 844 miles of town and county roads.²³ State and county highways only.²⁴ Also 314 miles of earth roads.²⁵ Also 104 miles of earth road graded.²⁶ Also 602 miles of grading.

